



BLACK BOX

electric switches
and sockets





TEM

MODUL

The MODUL family lines reflect a modern and sophisticated lifestyle. You can choose from three different lines:

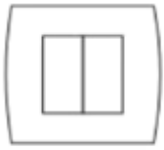
PURE — line — soft

A wide selection of colours, patterns and shapes to alter the appearance of your switches and sockets so that they fit the desired atmosphere and mood.

ekonomik

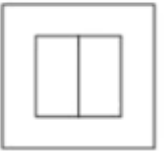
EKONOMIK is a solution for the system of standardized round installations boxes. It can be used for simple as well as more demanding installations, new buildings and adaptations.

The system is characterised by plug-in contacts which save time during installation of elements. A neutral, compact, elegant design is adjustable to every working or living area.



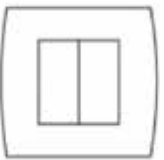
PURE

The Pure switch line is distinguished by its natural materials: metal, wood and glass. Its unique design gives it a special touch. It is striking yet unobtrusive. It radiates sensuality, sophistication, high standards and, of course, cleanliness.



line

The straight, smooth lines of the Line switches make for a timeless design. Its perfectly straight, sleek profile and soft-touch ergonomics give it an amazingly elegant appearance from all angles.



soft

The Soft switch line is characterised by its perfectly soft shapes rounded off by a subtle selection of colours and special coatings for a special touch..

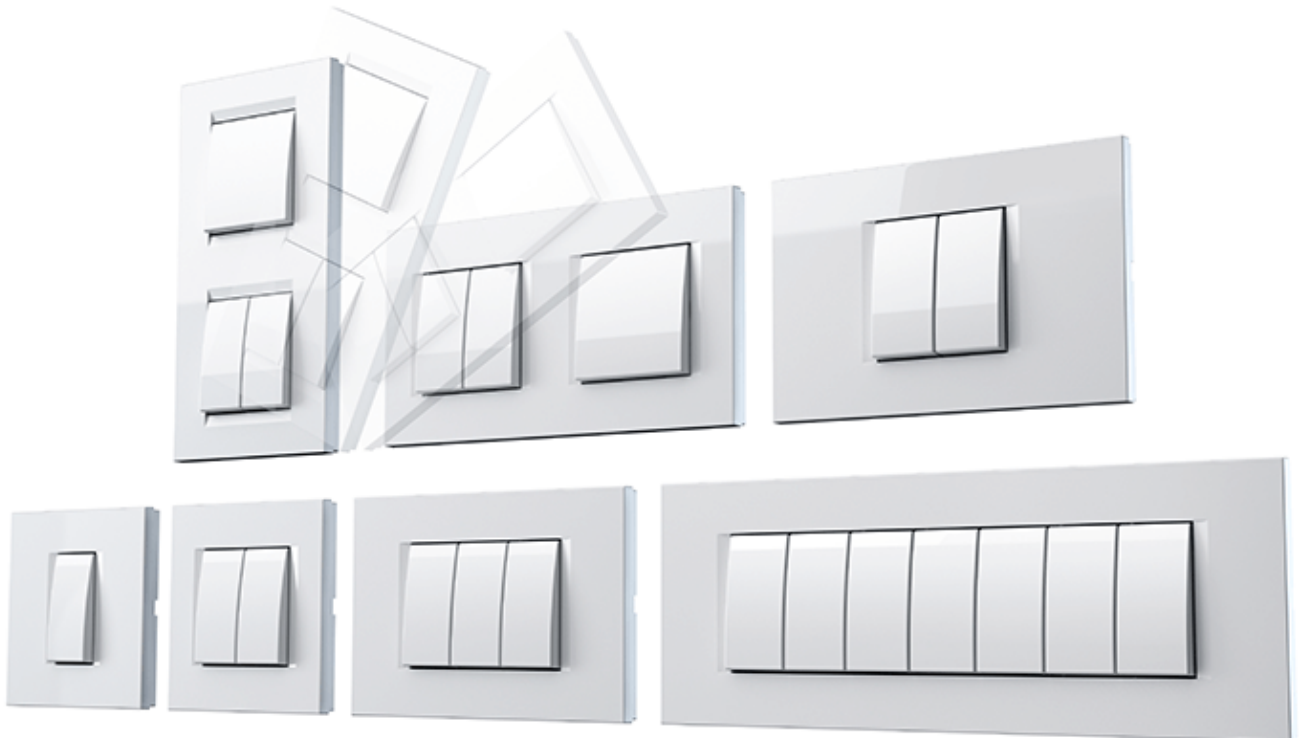


Create any configuration you wish

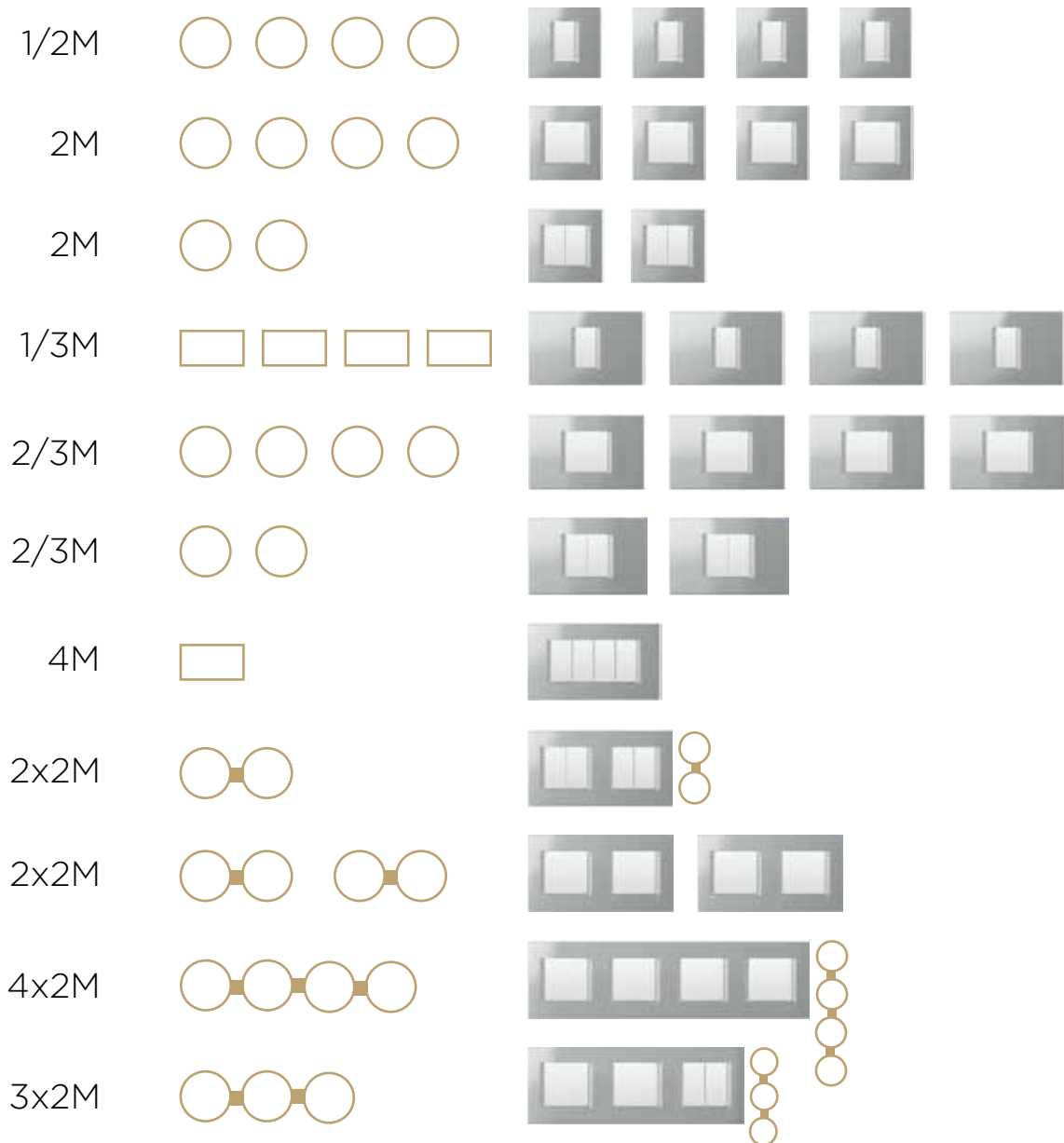
TEM bring you a comprehensive system that features a variety of elements, allowing you to create any configuration you wish. The basic elements of the system are modular and can be combined horizontally or vertically, individually or in groups.

$$1M = \text{[Single Module]}$$

$$2M = \text{[Two Modules Side-by-Side]} = \text{[Combined Module]}$$



Solutions for 4 switches

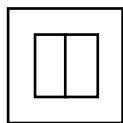


PURE

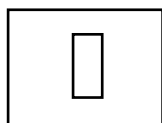


PURE

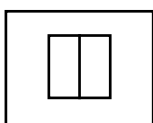
cover plate configurations



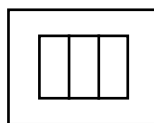
2M



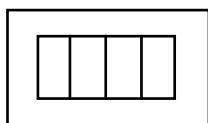
1/3M



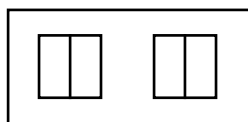
2/3M



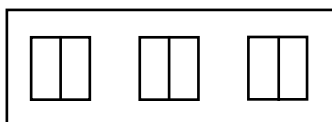
3M



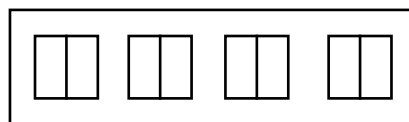
4M



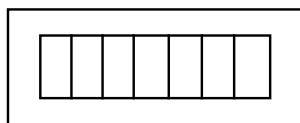
2x2M



3x2M



4x2M



7M

PURE
glass



GW
ice white



GG
ice green



GY
ice grey

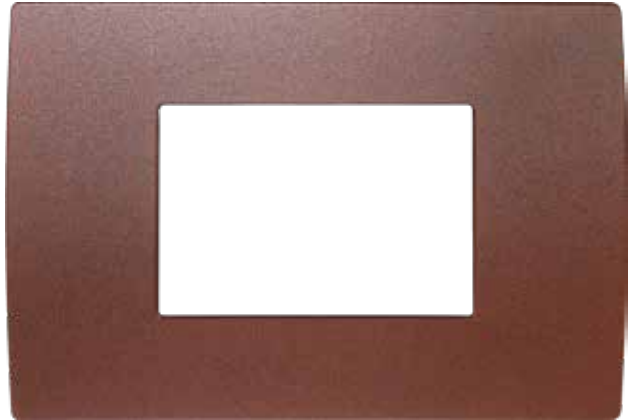


GB
ice blue

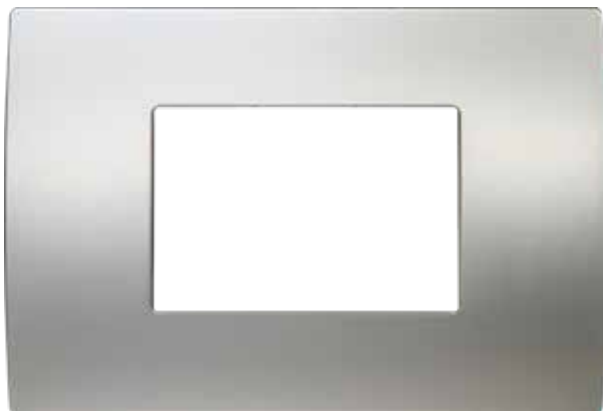
PURE
metal



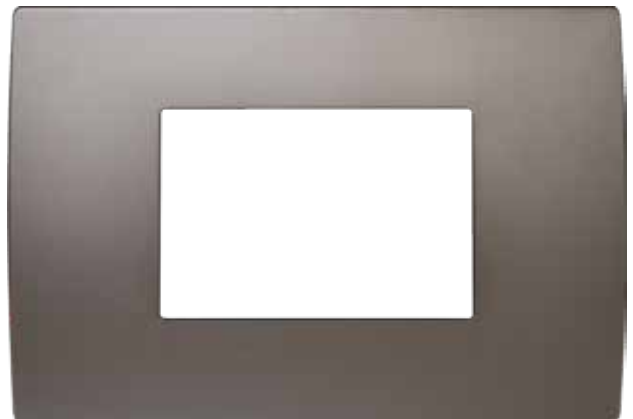
MH
hammered steel



ME
etched iron



MS
satin silver

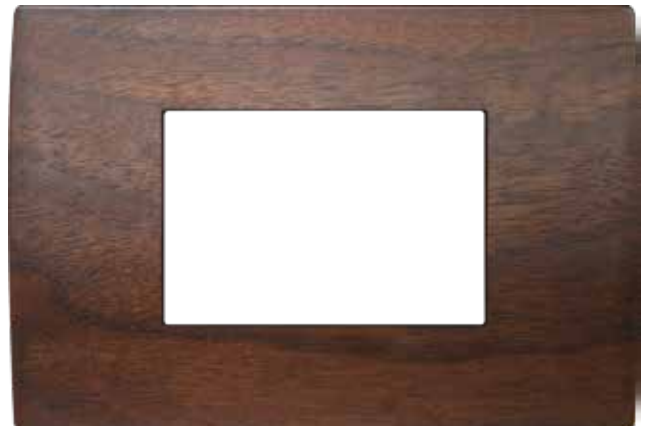


MN
satin nickel

PURE
wood



WB
bamboo



WW
walnut



WM
maple



WE
wenge



PURE 2M

	OP20MH		OP20WB		OP20GW
	OP20ME		OP20WW		OP20GG
	OP20MS		OP20WM		OP20GY
	OP20MN		OP20WE		OP20GB

Mounting frame: NM24 or NM25 only



PURE 2x2M

	OP24MH		OP24WB		OP24GW
	OP24ME		OP24WW		OP24GG
	OP24MS		OP24WM		OP24GY
	OP24MN		OP24WE		OP24GB

Mounting frame: NM24 or NM25 only



PURE 3x2M

	OP26MH		OP26WB		OP26GW
	OP26ME		OP26WW		OP26GG
	OP26MS		OP26WM		OP26GY
	OP26MN		OP26WE		OP26GB

Mounting frame: NM24 or NM25 only



PURE 4x2M

	OP26MH		OP26WB		OP26GW
	OP26ME		OP26WW		OP26GG
	OP26MS		OP26WM		OP26GY
	OP26MN		OP26WE		OP26GB

Mounting frame: NM24 or NM25 only



PURE 3M

	OP30MH		OP30WB		OP30GW
	OP30ME		OP30WW		OP30GG
	OP30MS		OP30WM		OP30GY
	OP30MN		OP30WE		OP30GB



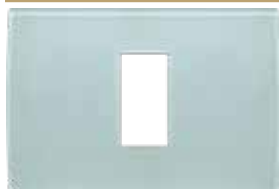
PURE 4M

	OP40MH		OP40WB		OP40GW
	OP40ME		OP40WW		OP40GG
	OP40MS		OP40WM		OP40GY
	OP40MN		OP40WE		OP40GB



PURE 7M

	OP70MH		OP70WB		OP70GW
	OP70ME		OP70WW		OP70GG
	OP70MS		OP70WM		OP70GY
	OP70MN		OP70WE		OP70GB



PURE 1/3M



OP13MH



OP13ME



OP13MS



OP13MN



OP13WB



OP13WW



OP13WM



OP13WE



OP13GW



OP13GG



OP13GY



OP13GB



PURE 2/3M



OP23MH



OP23ME



OP23MS



OP23MN



OP23WB



OP23WW



OP23WM



OP23WE



OP23GW



OP23GG



OP23GY



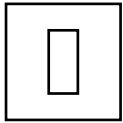
OP23GB

line

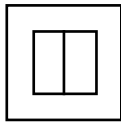


~~line~~

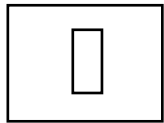
cover plate configurations



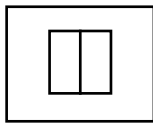
1/2M



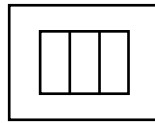
2M



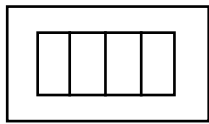
1/3M



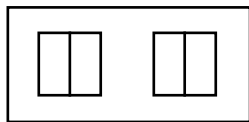
2/3M



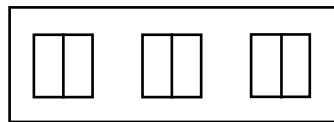
3M



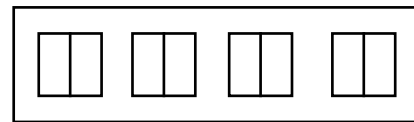
4M



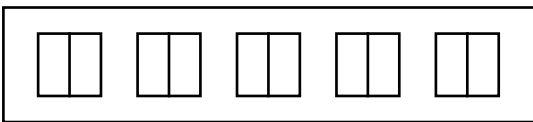
2x2M



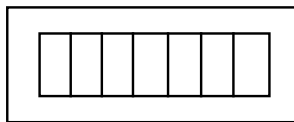
3x2M



4x2M

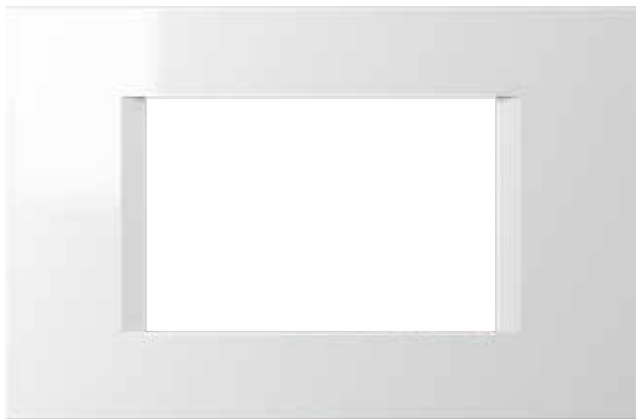


5x2M



7M

line
basic



PW
polar white



IW
ivory white



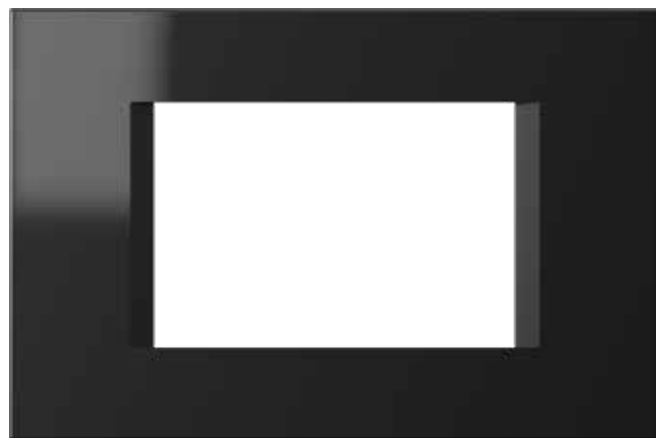
ES
elox silver



SB
soft touch black



SG
sand gold



NB
night black



IB
impulse blue



AT
anthracite



TI
titanium



SW
stone white



LINE 2M

	OL20PW		OL20NB
	OL20IW		OL20IB
	OL20ES		OL20AT
	OL20SB		OL20TI
	OL20SG		OL20SW



LINE 2x2M

Horizontal or vertical mounting

	OL24PW		OL24NB
	OL24IW		OL24IB
	OL24ES		OL24AT
	OL24SB		OL24TI
	OL24SG		OL24SW



LINE 3x2M

Horizontal or vertical mounting

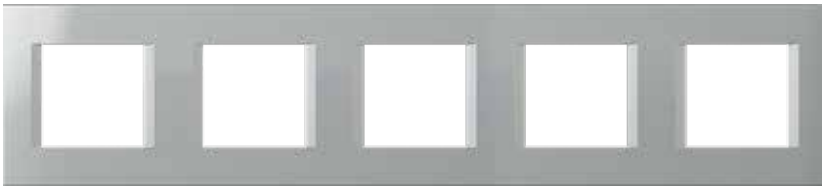
	OL26PW		OL26NB
	OL26IW		OL26IB
	OL26ES		OL26AT
	OL26SB		OL26TI
	OL26SG		OL26SW



LINE 4x2M

Horizontal or vertical mounting

	OL28PW		OL28NB
	OL28IW		OL28IB
	OL28ES		OL28AT
	OL28SB		OL28TI
	OL28SG		OL28SW



LINE 5x2M

Horizontal or vertical mounting

	OL28PW
	OL28IW
	OL28ES
	OL28SB



LINE 3M

	OL30PW		OL30NB
	OL30IW		OL30IB
	OL30ES		OL30AT
	OL30SB		OL30TI
	OL30SG		OL30SW



LINE 4M

	OL40PW		OL40NB
	OL40IW		OL40IB
	OL40ES		OL40AT
	OL40SB		OL40TI
	OL40SG		OL40SW



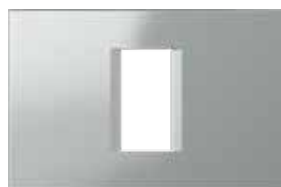
LINE 7M

	OL70PW		OL70NB
	OL70IW		OL70IB
	OL70ES		OL70AT
	OL70SB		OL70TI
	OL70SG		OL70SW



LINE 1/2M

	OL10PW		OL10NB
	OL10IW		OL10IB
	OL10ES		OL10AT
	OL10SB		OL10TI
	OL10SG		OL10SW



LINE 1/3M

	OL13PW		OL13NB
	OL13IW		OL13IB
	OL13ES		OL13AT
	OL13SB		OL13TI
	OL13SG		OL13SW



LINE 2/3M

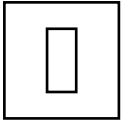
	OL23PW		OL23NB
	OL23IW		OL23IB
	OL23ES		OL23AT
	OL23SB		OL23TI
	OL23SG		OL23SW

soft

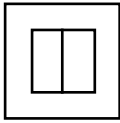


soft

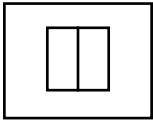
cover plate configurations



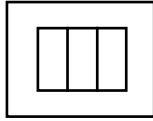
1/2M



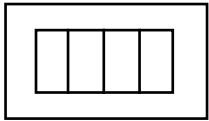
2M



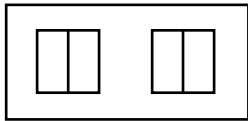
2/3M



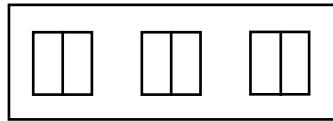
3M



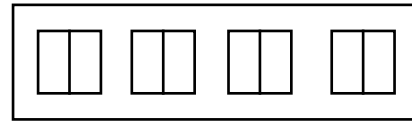
4M



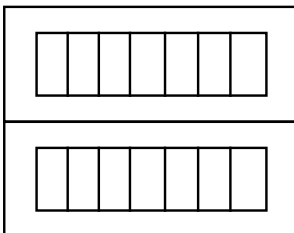
2x2M



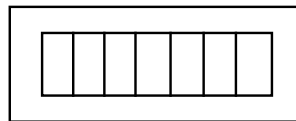
3x2M



4x2M



2x7M

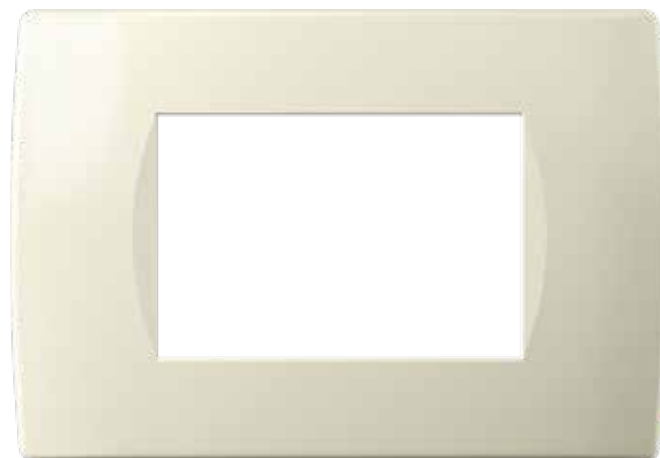


7M

soft
basic



PW
polar white



IW
ivory white



ES
elox silver



SB
soft touch black

soft
decor



SG
sand gold



NB
night black

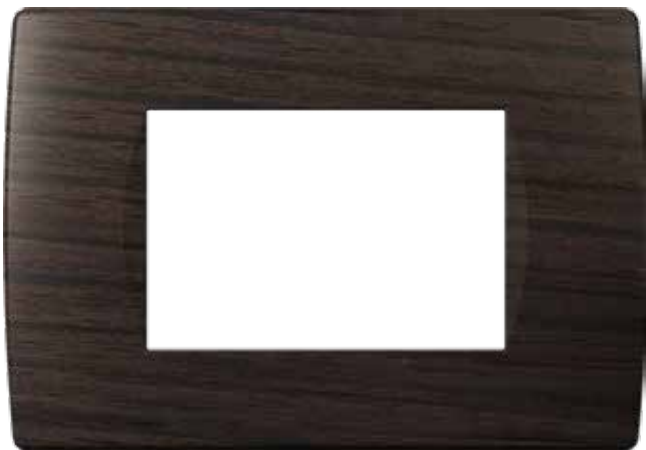


AT
anthracite



TI
titanium

soft
decor



WE
wenge



WW
walnut



SOFT 2M

	OS20PW		OS20NB
	OS20IW		OS20AT
	OS20ES		OS20TI
	OS20SB		OS20WE
	OS20SG		OS20WW



SOFT 2x2M

Horizontal or vertical mounting

	OS24PW		OS24NB
	OS24IW		OS24AT
	OS24ES		OS24TI
	OS24SB		OS24WE
	OS24SG		OS24WW



SOFT 3x2M

Horizontal or vertical mounting

	OS26PW		OS26NB
	OS26IW		OS26AT
	OS26ES		OS26TI
	OS26SB		OS26WE
	OS26SG		OS26WW



SOFT 4x2M

Horizontal or vertical mounting

	OS28PW		OS28NB
	OS28IW		OS28AT
	OS28ES		OS28TI
	OS28SB		OS28WE
	OS28SG		OS28WW



SOFT 3M

	OS30PW		OS30NB
	OS30IW		OS30AT
	OS30ES		OS30TI
	OS30SB		OS30WE
	OS30SG		OS30WW



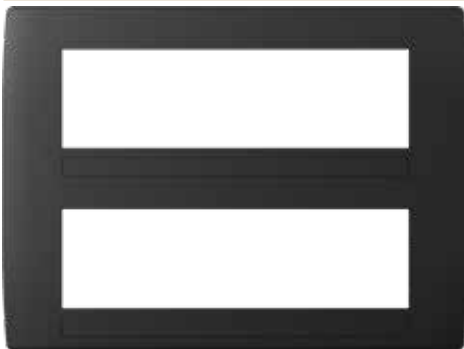
SOFT 4M

	OS24PW		OS24NB
	OS24IW		OS24AT
	OS24ES		OS24TI
	OS24SB		OS24WE
	OS24SG		OS24WW



SOFT 7M

	OS26PW		OS26NB
	OS26IW		OS26AT
	OS26ES		OS26TI
	OS26SB		OS26WE
	OS26SG		OS26WW



SOFT 2x7M

	OS72PW
	OS72IW
	OS72ES
	OS72SB



SOFT 1/2M

	OS10PW		OS10NB
	OS10IW		OS10AT
	OS10ES		OS10TI
	OS10SB		OS10WE
	OS10SG		OS10WW



SOFT 1/3M

	OS13PW		OS13NB
	OS13IW		OS13AT
	OS13ES		OS13TI
	OS13SB		OS13WE
	OS13SG		OS13WW



SOFT 2/3M

	OS23PW		OS23NB
	OS23IW		OS23AT
	OS23ES		OS23TI
	OS23SB		OS23WE
	OS23SG		OS23WW

Frame dimensions



line
 $A \times B$



soft
 $A \times B$



PURE
 $A \times B$

2M

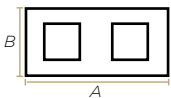


80 x 80 mm

84 x 84 mm

93 x 90 mm

2x2M

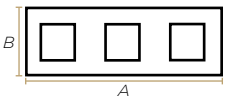


151 x 80 mm

154 x 84 mm

164 x 90 mm

3x2M

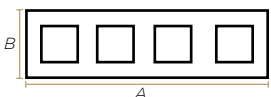


222 x 80 mm

226 x 84 mm

235 x 90 mm

4x2M

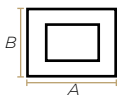


239 x 80 mm

297 x 84 mm



3M

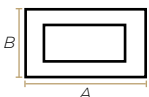


122 x 80 mm

122 x 84 mm

134 x 90 mm

4M

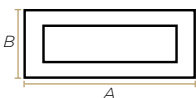


149 x 80 mm

144 x 84 mm

157 x 90 mm

7M

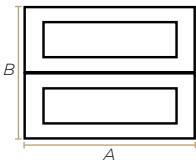


207 x 80 mm

212 x 84 mm

224 x 90 mm

7x2M



212 x 158 mm



line
 $A \times B$



soft
 $A \times B$



PURE
 $A \times B$

2M

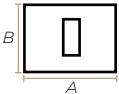


80 x 80 mm

84 x 84 mm

93 x 90 mm

2x2M

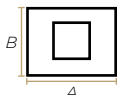


151 x 80 mm

154 x 84 mm

164 x 90 mm

3x2M

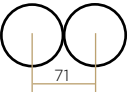
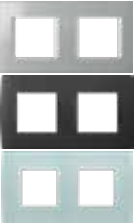
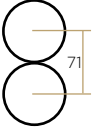
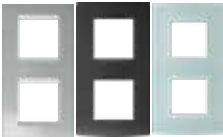
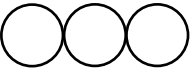
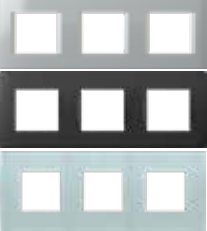


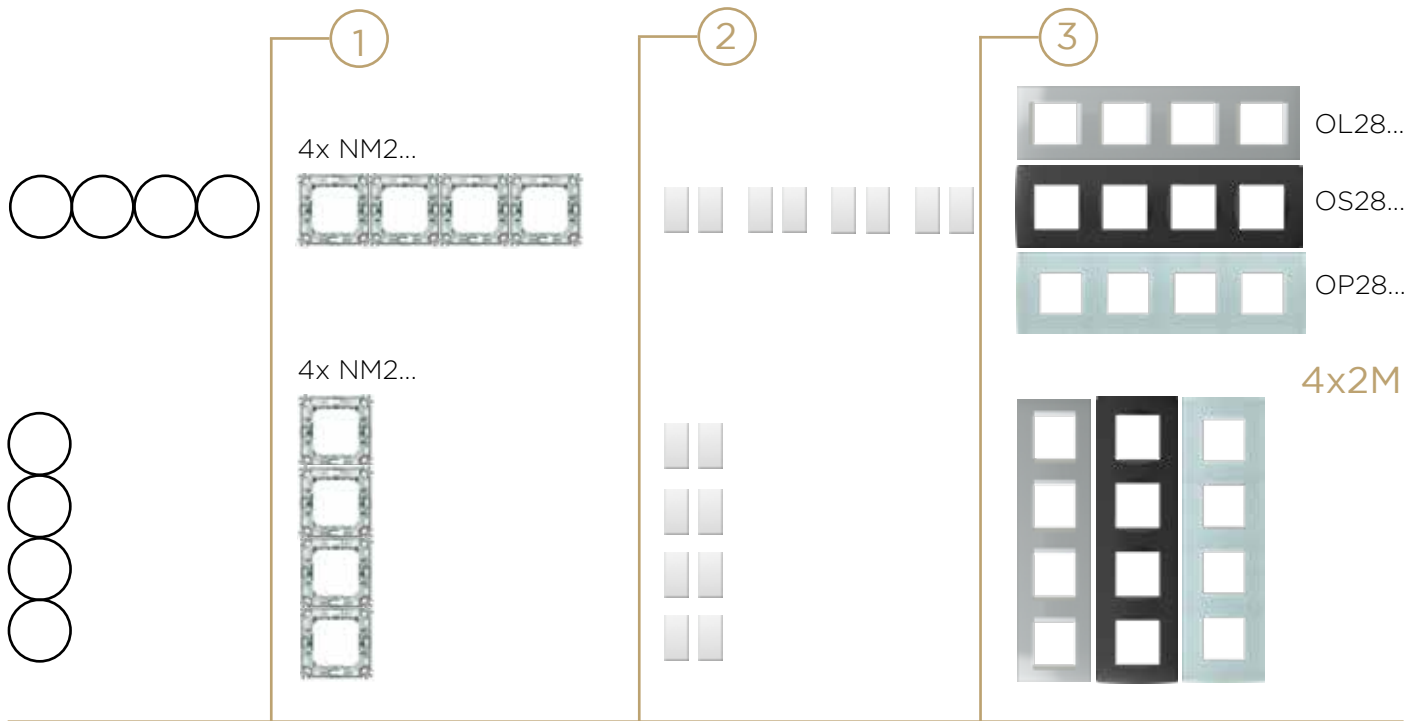
222 x 80 mm

226 x 84 mm

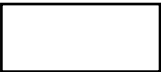
235 x 90 mm

Mounting Frames Combinations

	①	②	③
	NM2... 		 OL20... OS20... OP20... 2M
	2x NM2... 		 OL24... OS24... OP24... 2x2M
	2x NM2... 		
	3x NM2... 		 OL26... OS26... OP26... 3x2M
	3x NM2... 		



Mounting Frames Combinations

	① NM30 	② 	③ OL30... OS30... OP30...	3M
	NM40 		OL40... OS40... OP40...	4M
	NM70 		OL70... OS70... OP70...	7M
	NM72 		OS72...	2x7M



①

NM1...



②



③



OL10...



OS10...

1/2M



NM30



OL13...



OS13...



OP13...

1/3M



NM23
NM32



OL23...



OS23...



OP23...

2/3M

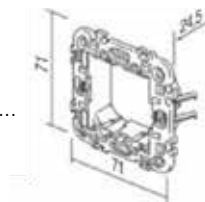


Mounting Frames



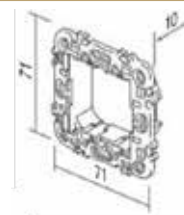
NM20

- Mounting Frame with claws - 2M
- For mounting on boxes Ø60 (DE...) with claws
- Possible horizontal or vertical combinations 2x2M, 3x2M, 4x2M...
- Suitable for assembling with cover plates LINE and SOFT



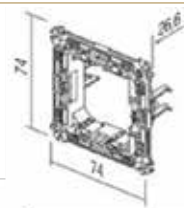
NM21

- Mounting Frame without screws and claws - 2M
- For mounting on boxes Ø60 (HE..., BE...) with screws
- Possible horizontal or vertical combinations 2x2M, 3x2M, 4x2M...
- Suitable for assembling with cover plates LINE and SOFT



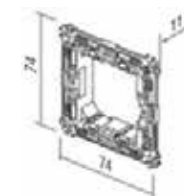
NM24

- Mounting Frame with claws (stiff version) - 2M
- For mounting on boxes Ø60 (DE...) with claws
- Possible horizontal or vertical combinations 2x2M, 3x2M, 4x2M...
- Suitable for assembling with cover plates PURE, LINE and SOFT



NM25

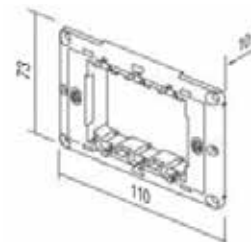
- Mounting Frame without screws and claws (stiff version) - 2M
- For mounting on boxes Ø60 (HE..., BE...) with claws
- Possible horizontal or vertical combinations 2x2M, 3x2M, 4x2M...
- Suitable for assembling with cover plates PURE, LINE and SOFT





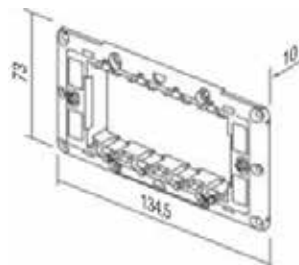
NM30

- Mounting Frame with screws - 3M
- For mounting on rectangular boxes 3M
- Suitable for assembling with cover plates PURE, LINE and SOFT



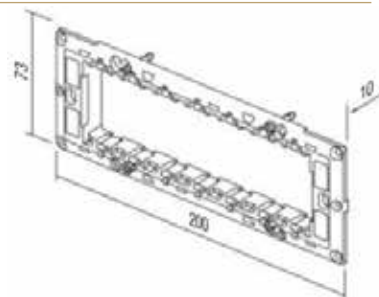
NM40

- Mounting Frame with screws - 4M
- For mounting on rectangular boxes 4M
- Suitable for assembling with cover plates PURE, LINE and SOFT



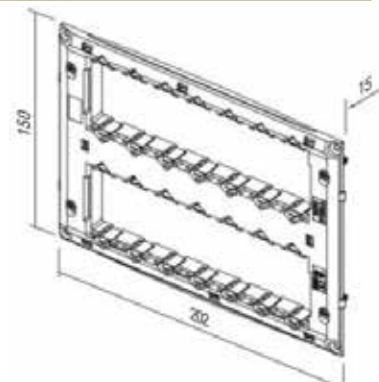
NM70

- Mounting Frame with screws - 7M
- For mounting on rectangular boxes 7M
- Suitable for assembling with cover plates PURE, LINE and SOFT



NM72

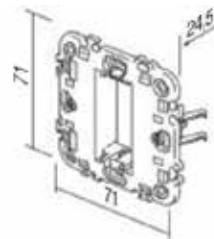
- Mounting Frame with screws - 2x7M
- For mounting on rectangular boxes 2x7M
- Suitable for assembling with cover plate SOFT OS72





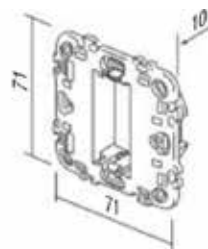
NM10

- Mounting Frame with claws - 1/2M
- For mounting on boxes Ø60 (DE...) with claws
- Suitable for assembling with cover plates LINE and SOFT



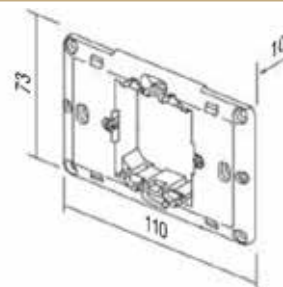
NM11

- Mounting Frame without screws and claws - 1/2M
- For mounting on boxes Ø60 (HE..., BE...) with screws
- Suitable for assembling with cover plates LINE and SOFT



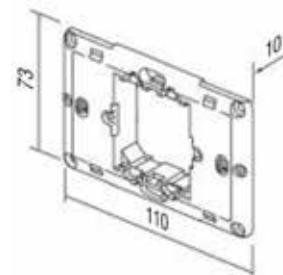
NM23

- Mounting Frame with claws - 2/3M
- For mounting on boxes Ø60 (DE...) with claws
- Suitable for assembling with cover plates PURE, LINE and SOFT



NM32

- Mounting Frame with screws - 2/3M
- For mounting on rectangular boxes 3M
- Suitable for assembling with cover plates PURE, LINE and SOFT



Back Boxes

The MODUL back boxes are easy to install and enable you to combine rectangular or round boxes at according to the selected modular elements.

Brick



Hollow wall



Concrete



Function elements

Switches



SM11

PW

IN

O1

type	description	technical data	size	colour	optional data 1	optional data 2
SM11	Push Button 1 Way	16A 250V~	1M	PW: Polar White	 IN: Indicator NT: Neutral	 01 02 03

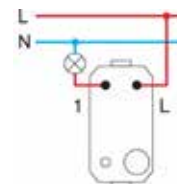
Switch 1 Way 16AX 250V~ 1M



SM10



- Switch without button
- 16AX 250V~, type SM10
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



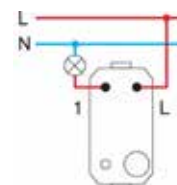
Push Button 1 Way 16AX 250V~ 1M



SM11



- Push Button without button
- 16A 250V~, type SM11
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



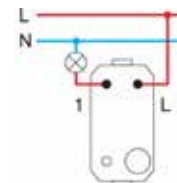
Switch 1 Way 20A 250V~ 1M



SM12



- Switch without button
- 20A 250V~, type SM12
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



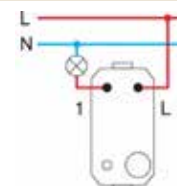
Switch 2 Pole 16AX 250V~ 1M



SM20



- Switch without button
- 16AX 250V~, type SM20
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Only in combination with button TM15



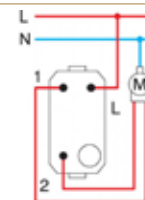
Switch Shutters 1-O-2 16AX 250V~ 1M



SM40



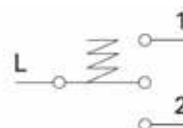
- Switch without button
- 16AX 250V~, type SM40
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



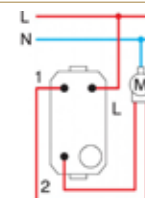
Push Button Shutters 1-O-2 16AX 250V~ 1M



SM41



- Push Button without button
- 16A 250V~, type SM41
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



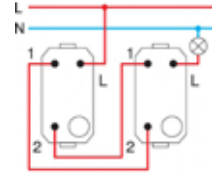
Switch 2 Way 16AX 250V~ 1M



SM60



- Switch without button
- 16AX 250V~, type SM60
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



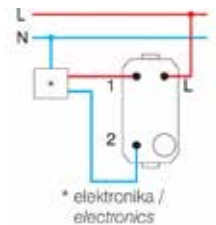
Push Button 2 Way 16A 250V~ 1M



SM61



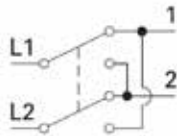
- Push Button without button
- 16A 250V~, type SM61
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



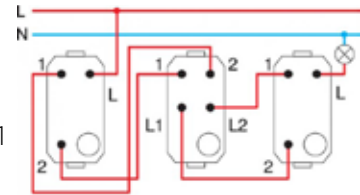
Switch Intermediate 16AX 250V~ 1M



SM70



- Switch without button
- 16AX 250V~, type SM70
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



Function elements

Switches with button



PW
Polar white



SB
Soft touch black



ES
Elox silver



IW
Ivory white

Switch 1 Way 16AX 250V~ 1M



SM10PW
SM10SB
SM10ES
SM10IW

- 16AX 250V~, type SM10
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Replaceable button



Switch 1 Way 16AX 250V~ 1M_IN



SM10PWIN
SM10SBIN
SM10ESIN
SM10IWIN

- Button with indicator
- 16AX 250V~, type SM10
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Lamp is not included
- Replaceable button



Push button 1 Way 16A 250V~ 1M



- SM11PW
- SM11SB
- SM11ES
- SM11IW

- 16A 250V~, type SM11
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Replaceable button



Push button 1 Way 16A 250V~ 1M_IN 01



- SM11PWIN01
- SM11SBIN01
- SM11ESIN01
- SM11IWIN01

- Indicator | Bell
- 16AX 250V~, type SM11
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Lamp is not included
- Replaceable button



Push button 1 Way 16A 250V~ 1M_IN 02



- SM11PWIN02
- SM11SBIN02
- SM11ESIN02
- SM11IWIN02

- Indicator | Light
- 16A 250V~, type SM11
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Lamp is not included
- Replaceable button



Switch 2 Pole 16AX 250V~ 1M_NT 03



- SM20PWNT03
- SM20SBNT03
- SM20ESNT03
- SM20IWNT03

- NT 03 Neutral 0-1
- 16AX 250V~, type SM20
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Replaceable button



Switch 2 Pole 16AX 250V~ 1M_IN



- SM20PWIN
- SM20SBIN
- SM20ESIN
- SM20IWIN

- Indicator
- 16AX 250V~, type SM20
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Lamp is not included
- Replaceable button



Switch Shutters 1-O-2 16AX 250V~ 1M_NT 10



- SM40PWNT10
- SM40SBNT10
- SM40ESNT10
- SM40IWNT10

- Neutral 1-O-2
- 16A 250V~, type SM41
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Replaceable button



Push button Shutters 1-O-2 16A 250V~ 1M_NT 10



- SM41PWNT10
- SM41SBNT10
- SM41ESNT10
- SM41IWNT10

- Indicator | Light
- 16A 250V~, type SM11
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Lamp is not included
- Replaceable button



Switch 2 Way 16AX 250V~ 1M



- SM60PW
- SM60SB
- SM60ES
- SM60IW

- 16AX 250V~, type SM60
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Replaceable button



Push button 2 Way 16A 250V~ 1M



- SM61PW
- SM61SB
- SM61ES
- SM61IW

- 16A 250V~, type SM61Screw
- contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Replaceable button



Push button 2 Way with cord 16A 250V~ 1M_CD



- SM62PWCD
- SM62SBCD
- SM62ESCD
- SM62IWCD

- Indicator + Cord
- Cord length 1.5m
- 16A 250V~, type SM62
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1



Switch Intermediate 16AX 250V~ 1M

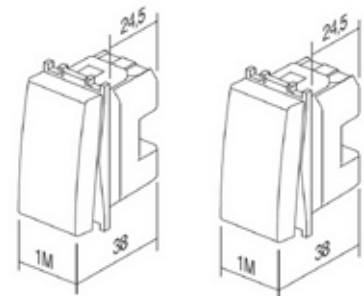


- SM70PW
- SM70SB
- SM70ES
- SM70IW

- 16AX 250V~, type SM70
- Screw contacts 1.5-2.5mm²
- In accordance with EN 60669-1
- Replaceable button



- 1M = 22.5 x 45
- 2M = 45 x 45



Function elements

Buttons



TM11			PW	NT	03
type	description	size	colour	optional data 1	optional data 2
TM11	Button	1M	PW: Polar White	 IN: Indicator NT: Neutral	 01 02 03
TM12	Button	2M			
TM21	Blank	1M			

Button 1M



- TM11PW
- TM11SB
- TM11ES
- TM11IW

- Replaceable button 1M
- In accordance with EN 60669-1



Button 1M Indicator



- TM11PWIN
- TM11SBIN
- TM11ESIN
- TM11IWIN

- Replaceable button
- In accordance with EN 60669-1



Button 2M

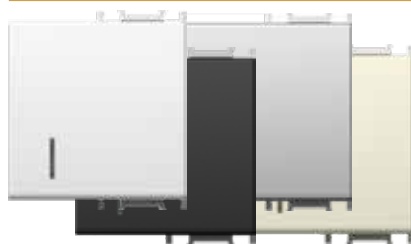


- TM12PW
- TM12SB
- TM12ES
- TM12IW

- Replaceable button 2M with button carrier
- To upgrade switch or push button from size 1M to size 2M
- In accordance with EN 60669-1



Button 2M Indicator

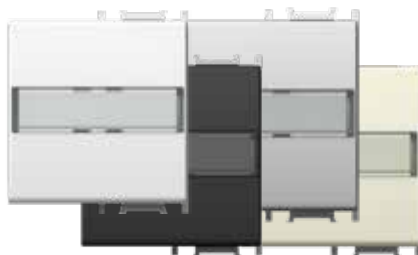


- TM12PWIN
- TM12SBIN
- TM12ESIN
- TM12IWIN

- Replaceable button 2M with button carrier
- To upgrade switch or push button from size 1M to size 2M
- In accordance with EN 60669-1



Button 2M with Inscription Plate



- TM13PWIL
- TM13DBIL
- TM13ESIL
- TM13IWIL

- Replaceable button 2M with button carrier
- To upgrade switch or push button from size 1M to size 2M
- In accordance with EN 60669-1



Button 1M 2 Pole



- TM15PW
- TM15SB
- TM15ES
- TM15IW

- Replaceable button 1M
- Only in combination with mechanism SM20
- In accordance with EN 60669-1



Blank 1M

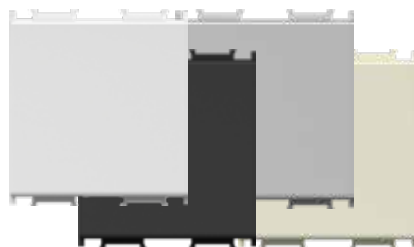


- TM21PW
- TM21SB
- TM21ES
- TM21IW

- Blank modul to fill up empty spaces
- In accordance with EN 60669-1



Button 2M Indicator



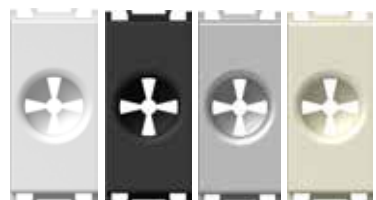
- TM22PWIN
- TM22SBIN
- TM22ESIN
- TM22IWIN

- Blank modul to fill up empty spaces
- In accordance with EN 60669-1



TM22

Cable Outlet 1M



- TM31PW
- TM31DB
- TM31ES
- TM31IW

- Outlet for cable
- In accordance with EN 60669-1



Create your personalisation!

Give your switches a twist of fun with your own personalisation!

Available only on request and for LINE and SOFT cover plates.

Neon/LED Lamps are available for indication, illumination, or constant illumination of switches. Lamps should be in combination with Indicator buttons.



Laser print on buttons

- Standard Symbols: 01 to 12
- Symbols 20 to 48 are made on request

01	02	03	04	05	06	07	08	09	10	11	12	20	21	22	23
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47	48							

Function elements

Sockets



VM10

PW

PT

PP

type size

colour

colour + transparent cover

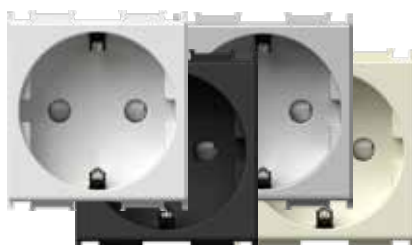
colour + colour cover

VM10 2M
VM11 2M
VM20 2M

Polar White
Soft Touch Black
Elox Silver
Ivory White

PW + transparent
SB + transparent
ES + transparent
IW + transparent

PW + PW
SB + SB
ES + ES
IW + IW



VM10PW
VM10SB
VM10ES
VM10IW

Socket Schuko + KS 2P+E 16A 250V~ 2M

- 16A 250V~, type VM10
- Screw contacts 1.5-2.5mm²
- In accordance with IEC 60884-1, CEE7
- KS build-in child protection - shuttered live contacts



Socket Schuko + KS 2P+E 16A 250V~ 2M



- VM10PW
- VM10SB
- VM10ES
- VM10IW

- 16A 250V~, type VM10
- Screw contacts 1.5-2.5mm²
- In accordance with IEC 60884-1, CEE7
- KS build-in child protection - shuttered live contacts



Socket Schuko + KS + Cover 2P+E 16A 250V~ 2M

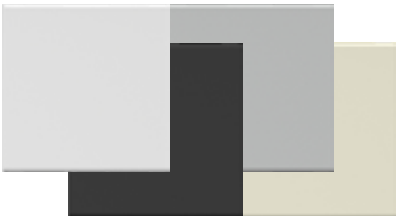


- VM11PT
- VM11BT
- VM11ST
- VM11IT

- 16A 250V~, type VM11
- Screw contacts 1.5-2.5mm²
- In accordance with IEC 60884-1, CEE7
- KS build-in child protection - shuttered live contacts



Socket Schuko + KS + Cover 2P+E 16A 250V~ 2M

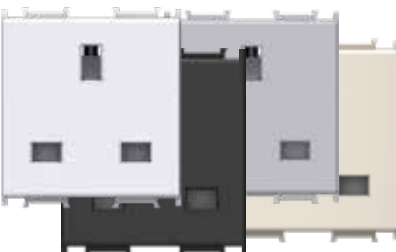


- VM11PP
- VM11BB
- VM11SS
- VM11II

- 16A 250V~, type VM11
- Screw contacts 1.5-2.5mm²
- In accordance with IEC 60884-1, CEE7
- KS build-in child protection - shuttered live contacts



Socket British BS 1363-2+ KS 2P+E 13A 250V~ 2M



- VM52PW
- VM52SB
- VM52ES
- VM52IW

- 13A 250V~, type VM52
- Screw contacts 1.5-4mm²
- In accordance with BS 1363-2
- KS build-in child protection - shuttered live contacts





Socket TV Basic 0dB 1M

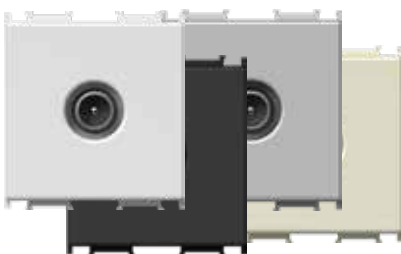


- KM10PW
- KM10SB
- KM10ES
- KM10IW

- TV basic
- Reduction 0dB
- Back connector - F standard



Socket TV Basic 0dB 2M



- KM20PW
- KM20SB
- KM20ES
- KM20IW

- TV basic
- Reduction 0dB
- Back connector - F standard



Socket TV End-line 1dB 1M



-  KM11PW
-  KM11SB
-  KM11ES
-  KM11IW

- TV end-line
- Frequency range 5 ÷ 2400 MHz
- Reduction < 1 dB
- In accordance with EN 50083-1
- Screw contacts



Socket TV troughpass 10dB 1M



-  KM12PW
-  KM12SB
-  KM12ES
-  KM12IW

- TV troughpass
- Frequency range 5 ÷ 2400 MHz
- Reduction < 10 dB
- In accordance with EN 50083-1
- Screw contacts



Socket SAT Basic 0dB 1M

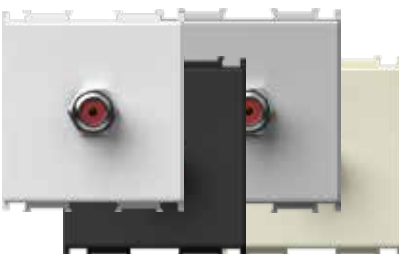


-  KM15PW
-  KM15SB
-  KM15ES
-  KM15IW

- SAT basic
- Reduction 0dB
- Back connector - F standard



Socket SAT Basic 0dB 2M

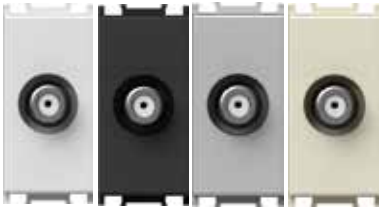


-  KM24PW
-  KM24SB
-  KM24ES
-  KM24IW

- SAT basic
- Reduction 0dB
- Back connector - F standard



Socket SAT End-line 1dB 1M



-  KM16PW
-  KM16SB
-  KM16ES
-  KM16IW

- SAT end-line
- Frequency range 5 ÷ 2400 MHz
- Reduction < 1 dB
- In accordance with EN 50083-1
- Screw contacts



Socket R Basic 0dB 1M

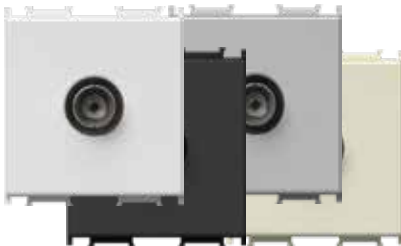


-  KM19PW
-  KM19SB
-  KM19ES
-  KM19IW

- R basic
- Reduction 0 dB
- Back connector - F standard



Socket R Basic 0dB 2M

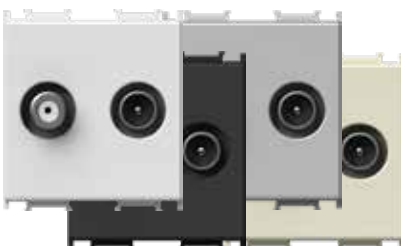


-  KM29PW
-  KM29SB
-  KM29ES
-  KM29IW

- R basic
- Reduction 0 dB
- Back connector - F standard



Socket SAT-TV End-line 1dB 2M



-  KM25PW
-  KM25SB
-  KM25ES
-  KM25IW

- Frequency range 5 ÷ 2400 MHz
- Reduction < 1dB
- In accordance with EN 50083-1
- Screw contacts



Socket Audio 2xRCA 1M



- KM22PW
- KM22SB
- KM22ES
- KM22IW

- Audio 2x RCA
- Soldering connection of cable at the back side



Socket Audio Loudspeakers 1M



- KM23PW
- KM23SB
- KM23ES
- KM23IW

- Audio 2x Ø4mm
- To accommodate speaker wire, banana plug Ø4mm or spades
- Soldering connection of cable at the back side



Socket Audio Loudspeakers 2M

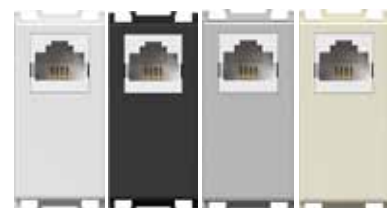


- KM26PW
- KM26SB
- KM26ES
- KM26IW

- Audio 2x Ø4mm
- To accommodate speaker wire, banana plug Ø4mm or spades
- Soldering connection of cable at the back side



Socket TEL LT RJ11 6/4 1M



- KM30PW
- KM30SB
- KM30ES
- KM30IW

- TEL LT Screw
- RJ11 6/4
- In accordance with IEC 60603-7
- Screw contacts



Socket CAT5e KS RJ45 8/8 1M



-  KM37PW
-  KM37SB
-  KM37ES
-  KM37IW

- KS keystone fixing standard
- CAT5e, RJ45 8/8
- In accordance with IEC 60603-7



Socket USB Type A 1M



-  KM51PW
-  KM51SB
-  KM51ES
-  KM51IW

- USB 2.0 socket Type A
- Screw contacts, raster 5mm, 1.5mm², 1x2P + 1x3P
- In accordance with directive 2011/95/EU (RoHS2)



More connectors and communication accessories are available. Kindly enquire for more information.

Rotative dimmer / 2Way RL 300W with integrated LED indication 1M



EM12PW
 EM12SB
 EM12ES
 EM12IW

- Rotation control with 2-way switch
- Load RL, 40W-300W
- Supply voltage 230V ~ 50Hz
- 2-way switch combination is possible
- Screw contacts 1.5-2.5mm²



Rotative dimmer / 2Way LED 60W 1M



EM13PW
 EM13SB
 EM13ES
 EM13IW

- Rotation control with 2-way switch
- Loads: LED 0-60W (max 6 dimmable LED lamps) / GLS 0-60W
- Supply voltage 230V ~ 50Hz
- 2-way switch combination is possible
- Screw contacts 1.5-2.5mm²



Rotative dimmer / 2Way LED 180W 1M



EM14PW
 EM14SB
 EM14ES
 EM14IW

- Rotation control with 2-way switch
- Loads: LED 0-180W (max 20 dimmable LED lamps) / GLS 0-180W
- Supply voltage 230V ~ 50Hz
- 2-way switch combination is possible
- Screw contacts 1.5-2.5mm²



Additional information:

- Installing several devices together in one box is only permitted if their total maximum load does not exceed the maximum power of a single dimmer
- One circuit allows the use of only one dimmer

Thermostat Basic with ECO functions 6A 230V~ 2M

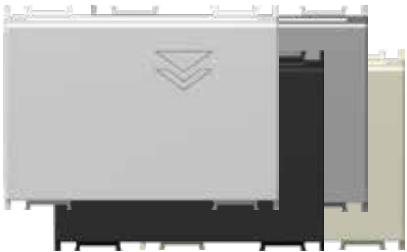


- EM37PW
- EM37SB
- EM37ES
- EM37IW

- Electronic thermostat (to regulate temperature)
- Heating or cooling modes
- Safety functions against overheating and freezing
- Not suitable for electrical floor heating
- Screw contacts max. 2.5mm²



Energy Saver Card Switch 3A 250V~ 3M



- EM40PW
- EM40SB
- EM40ES
- EM40IW

- Basic card switch
- Any ISO card
- Supply voltage 230V ~ 50Hz
- Output 3A 250V~ for switching contactor
- Switch off delay 15-20s
- Card is not included
- Not for access control



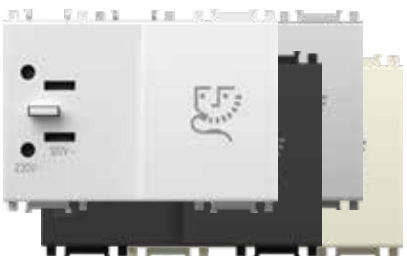
Card ISO



EM47

- ISO Card
- For combination with card switch EM40
- Size: 85x54mm

Socket Shaver 230V~ 3M



- EM60PW
- EM60SB
- EM60ES
- EM60IW

- Shaver supply unit with isolating transformer 20VA
- Supply: 230V~ 50-60Hz
- Output: 230V~ for 2P 2.5A
- In accordance with EN 61558-2-5



Power Supply Unit USB 5V 1A 2M



- EM65PW
- EM65SB
- EM65ES
- EM65IW

- For charging of electronic devices via a standard USB port
- Enables charging of two devices simultaneously
- Power supply: 230V~ 50Hz
- Stand-by power consumption: 50mW at 230V~
- Indoor use only



USB Power Supply Unit 5V 2,1A 1M



- EM66PW
- EM66SB
- EM66ES
- EM66IW

- For charging of electronic devices via a standard USB port
- Power supply: 100-230V~ 50/60Hz
- Stand-by power consumption: 30mW at 230V~
- Indoor use only



Fingerprint Switch ARX ONE 2M



- EM70PW
- EM70SB
- EM70ES
- EM70IW

- Fingerprint switch with included internal relay unit
- For unlocking electrical locks
- Capacity: 1000 fingerprints
- Easy programming with two buttons
- Thermal biometric sensor
- Internal relay unit supply 110-230V~ 50-60Hz
- Output relay 2x3A 12V DC
- First 3 fingerprints enrolled are assigned administrative rights



Volume control 100V audio line 35W 2M



- EM95PW
- EM95SB
- EM95ES
- EM95IW

- Volume control (attenuator) for 100V audio systems
- Power rating 35W (max. 45W), 6 steps volume control
- Suitable for boxes min. 60mm deep
- For indoor use only



Volume Control 4-8 ohm 35W 2M



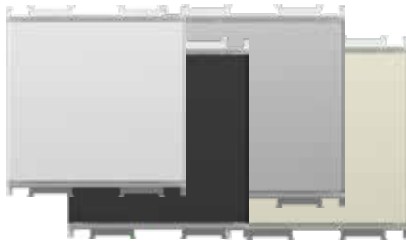
- EM96PW
- EM96SB
- EM96ES
- EM96IW

- Volume control (attenuator) for low voltage outputs 4-8 ohms, 35W
- Power rating 35W, 6 steps volume control
- Suitable for boxes min. 60mm deep
- For indoor use only



More electronic accessories are available.
Kindly enquire for more information.

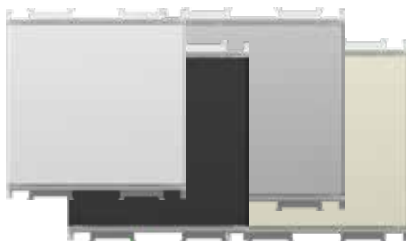
TOUCH Switch / Dimmer Universal RLC 0-300W 2M



- EM25PW — Electronic dimmer for ON/OFF switching and dimming
- EM25SB — Automatic detection of lamp type and adjustment of operating mode
- EM25ES — Memorization of dimming level after switching off
- EM25IW — Can connect up to 5 additional controllers (EM26)
- Connection with 2-way switch is not possible



Push button control unit 2M



- EM26PW — Connected to universal dimmer EM25 allows controlling of lamps with same functionality as EM25
- EM26SB — Supply voltage 230V ~ 50Hz
- EM26ES — Screw contacts 1.5mm² (max tightening torque 0.4Nm)
- EM26IW



Adjustable light intensity

Different switch illumination colours



Kindly enquire for more information

TOUCHLESS

The touchless switch allows you to enjoy a modern lifestyle, enabling the turning on and off of your lights without the need for physical interaction. This option is very useful when you find yourself with your hands full or dirty.



TOUCHLESS Switch 10A 240V~



■ EM80GW

- Touchless switch for turning on/off
- Power supply: 240V~ 50Hz
- Adjustable range from 2 to 10cm
- Installation into a standard round Ø60mm box
- Connection with up to 5 EM81 control switches is possible
- Simple installation of decorative covers by means of magnets
- Only for indoor use



TOUCHLESS Switch Control Unit



■ EM81GW

- Control switch
- Works only when connected with EM80 switch
- Simple installation of decorative covers by means of magnets
- Only for indoor use



Antibacterial program

Switches and sockets are touched daily by many people, thus being a common place for the development and spread of bacteria.

Special antibacterial silver ions additive provides long-term and effective protection against the development and spread of bacteria, viruses, microbes, and fungi.

Antibacterial buttons, cover plates, and sockets are combined with classic mounting frames and switches.

The TEM Antibacterial protection series ensures hygiene, cleanliness, and health, thus making it suitable for use in environments with strict hygiene conditions, including:

- Hospitals
- Health centres
- Pharmaceutical facilities
- Nursing homes
- Laboratories
- Restaurants
- Hotels
- Child care centres
- Schools
- Other public spaces



hygiene
cleanliness
health

ekonomik

EKONOMIK is a solution for the system of standardized round installations boxes. It can be used for simple as well as more demanding installations, new buildings and adaptations.

The system is characterised by plug-in contacts which save time during installation of elements. A neutral, compact, elegant design is adjustable to every working or living area.

Robustness and high resistance to external effects (UV) are secured by duroplastic materials

Visible elements can be easily taken apart to paint around.

By careful planning, elements under voltage have been protected against touching. Basic fixing of mechanisms with fixing claws allows additional strengthening with screws. This manner is especially appropriate for safe and reliable fixing of sockets.



Function elements

Switches with button

								
SE11			PW		IN		50	
type	description	technical data	colour		optional data 1		optional data 2	
SE11	Push Button 1 Way	10A 250V~	 PW	 IW	 IN: Indicator NT: Neutral		 50	 51
			 ES	 CO			 03	 04
			 NB					

Switch 1Way 10AX 250V~

	 SE10PW	— 10AX 250V~, type SE10 — In accordance with EN 60669-1 — Plug-in contacts 1.5-2.5mm²	
	 SE10IW		
	 SE10ES		
	 SE10NB		
	 SE10CO		

Switch 1Way 10AX 250V~ IN

	 SE10PWIN	— IN Indicator	
	 SE10IWIN	— 10AX 250V~, type SE10	
	 SE10ESIN	— In accordance with EN 60669-1	
	 SE10NBIN	— Plug-in contacts 1.5-2.5mm ²	
	 SE10COIN		

Push Button 1Way 10A 250V~



- SE11PW
- SE11IW
- SE11ES
- SE11NB
- SE11CO

- 10A 250V~, type SE11
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Push Button 1Way 10A 250V~ TI 50



- SE11PWTI50
- SE11IWTI50
- SE11ESTI50
- SE11NBTI50
- SE11COTI50

- TI 50 indicator bell + neon lamp
- 10A 250V~, type SE11
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Push Button 1Way 10A 250V~ TI 51



- SE11PWTI51
- SE11IWTI51
- SE11ESTI51
- SE11NBTI51
- SE11COTI51

- TI 51 indicator light + neon lamp
- 10A 250V~, type SE11
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Push Button 1Way 10A 250V~ IL



- SE11PWIL
- SE11IWIL
- SE11ESIL
- SE11NBIL
- SE11COIL

- IL inscription plate
- 10A 250V~, type SE11
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Switch 2Gang 1Way 10AX 250V~



- SE50PW
- SE50IW
- SE50ES
- SE50NB
- SE50CO

- 10AX 250V~, type SE50
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Push Button 2Gang 1Way 10A 250V~



- SE51PW
- SE51IW
- SE51ES
- SE51NB
- SE51CO

- 10A 250V~, type SE51
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Switch Shutters 10AX 250V~ NT 09



- SE52PWNT09
- SE52IWNT09
- SE52ESNT09
- SE52NBNT09
- SE52CONT09

- NT 09 neutral up-down
- 10AX 250V~, type SE52
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²
- With mechanical interblock



Push Button Shutters 10A 250V~ NT 09



- SE53PWNT09
- SE53IWNT09
- SE53ESNT09
- SE53NBNT09
- SE53CONT09

- NT 09 neutral up-down
- 10A 250V~, type SE53
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²
- With mechanical interblock



Switch 2Way 10AX 250V~



- SE60PW
- SE60IW
- SE60ES
- SE60NB
- SE60CO

- 10AX 250V~, type SE60
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Switch Double 2Way 10AX 250V~



- SE63PW
- SE63IW
- SE63ES
- SE63NB
- SE63CO

- 10AX 250V~, type SE63
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²

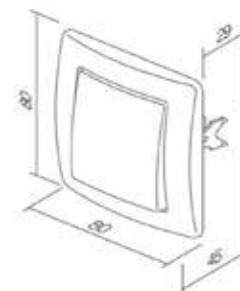
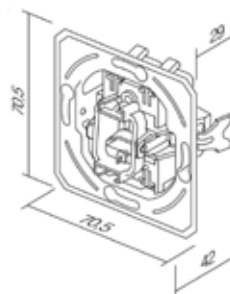


Switch Intermediate 10AX 250V~



- SE70PW
- SE70IW
- SE70ES
- SE70NB
- SE70CO

- 10AX 250V~, type SE70
- In accordance with EN 60669-1
- Plug-in contacts 1.5-2.5mm²



Function elements

Sockets



VE11

PW

PT

PP

type

colour

colour + transparent cover

colour + colour cover

VE10 Schuko
VE11 Schuko + Cover

 Polar White
 Soft Touch Black
 Elox Silver
 Ivory White

 PW + transparent
 SB + transparent
 ES + transparent
 IW + transparent

 PW + PW
 SB + SB
 ES + ES
 IW + IW

Socket Schuko 2P+E 16A 250V~



 VE10PW
 VE10IW
 VE10ES
 VE10NB
 VE10CO

- 16A 250V~, type VE10
- 2P+E Schuko
- Screw contacts 1.5-2.5mm²



Socket Schuko + Cover 2P+E 16A 250V~



- VE11PT
- VE11IT
- VE11ST
- VE11BT
- VE11CT

- 16A 250V~, type VE11
- 2P+E Schuko + cover
- Screw contacts 1.5-2.5mm²



Socket Schuko Double 2P+E 16A 250V~



- VE16PWKS
- VE16IWKS
- VE16ESKS
- VE16NBKS

- 16A 250V~, type VE16
- 2P+E Schuko double
- In accordance with IEC 60884-1, CEE7
- Screw contacts 1.5-2.5mm²
- KS build-in child protection - shuttered live contacts



Socket 2P 16A 250V~



- VE30PW
- VE30IW
- VE30ES
- VE30NB

- 16A 250V~
- 2P without earthing contact
- In accordance with EN 60884-1, CEE7
- Screw contacts 1.5-2.5mm²



Function elements

Communications

Socket TV basic 0dB



- KE10PW
- KE10IW
- KE10ES
- KE10NB
- KE10CO

- TV basic
- Reduction 0dB
- Back connector - F standard



Socket Audio 2xRCA



- KE22PW
- KE22IW
- KE22ES
- KE22NB
- KE22CO

- Audio 2xRCA
- Soldering connection of cable



Socket Audio Loudspeakers



- KE23PW
- KE23IW
- KE23ES
- KE23NB
- KE23CO

- Audio 2x Ø4mm
- To accommodate speaker wire, banana plug Ø4mm or spades
- Soldering connection of cable at the back side



More connection accessories are available.

Rotative Dimmer 2Way RL 400W



- EE15PW
- EE15IW
- EE15ES
- EE15NB
- EE15CO

- Load RL, 40W-400W
- 2-way switch combination is possible
- More dimmers combination is not allowed
- Plug-in contacts 1.5mm²
- Supply 230V~ 50Hz
- Replaceable fuse included



Rotative Dimmer 2Way RLC 400W



- EE16PW
- EE16IW
- EE16ES
- EE16NB
- EE16CO

- Load RLC, 20W-400W
- 2-way switch combination is possible
- More dimmers combination is not allowed
- Plug-in contacts 1.5mm²
- Supply 230V~ 50Hz
- Electronic fuse



Rotative Dimmer 2Way LED 100W



- EE19PW
- EE19IW
- EE19ES
- EE19NB
- EE19CO

- Load: LED, 0-100W (max. 10 LEDs)
- Load: GLS, 10-250W
- 2-way switch combination is possible
- More dimmers combination not allowed
- Plug-in contacts 1.5mm²
- Supply 230V~ 50Hz
- Replaceable fuse included



More electronics accessories are available.

Surround Ekonomik 1-gang



- | | |
|--|--|
|  OE10PW |  OE10ES |
|  OE10IW |  OE10NB |
| |  OE10CO |

Surround Ekonomik 2-gang Horizontal



- | | |
|--|--|
|  OE20PW |  OE20ES |
|  OE20IW |  OE20NB |
| |  OE20CO |

Surround Ekonomik 3-gang Horizontal



- | | |
|--|--|
|  OE30PW |  OE30ES |
|  OE30IW |  OE30NB |
| |  OE30CO |

Surround Ekonomik 4-gang Horizontal



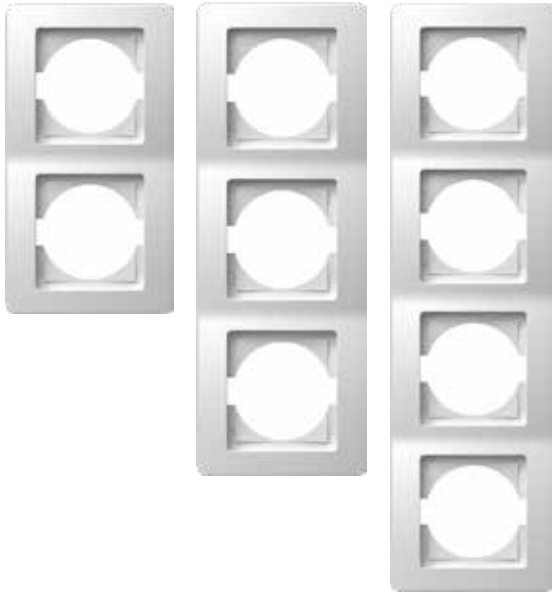
- | | |
|--|--|
|  OE40PW |  OE40ES |
|  OE40IW |  OE40NB |

Surround Ekonomik 5-gang Horizontal



- | | |
|--|--|
|  OE50PW |  OE50ES |
|  OE50IW |  OE50NB |

Surround Ekonomik 2-gang Vertical



 OE21PW	 OE21ES
 OE21IW	 OE21NB
	 OE21CO

Surround Ekonomik 3-gang Vertical

 OE31PW	 OE31ES
 OE31IW	 OE31NB
	 OE31CO

Surround Ekonomik 4-gang Vertical

 OE41PW	 OE41ES
 OE41IW	 OE41NB

Colour Decorative Frames



OE90GR	Green	OE90GY	Grey
OE90BL	Blue	OE90BK	Black
OE90VO	Violet	OE90BR	Brown
OE90PI	Pink	OE90MB	Met. Blue
OE90RD	Red	OE90BZ	Bronze
OE90YL	Yellow	OE90CR	Silver
OE90WH	White	OE90GO	Gold





